

## Patent Abstracts of Japan

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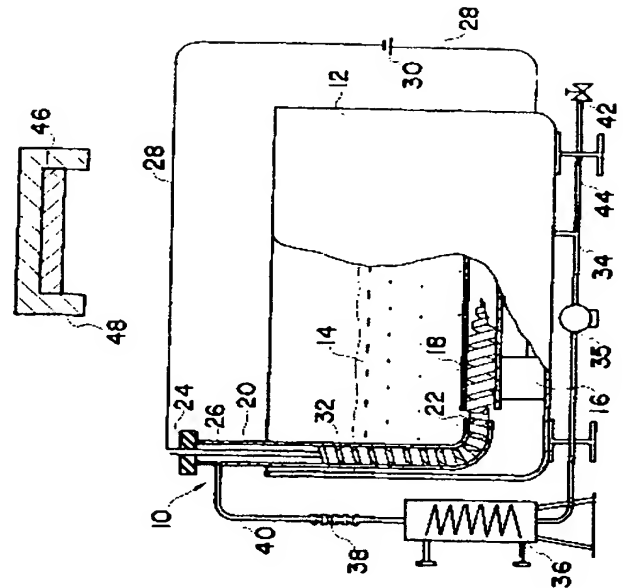
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APPLICANT : HITACHI PLANT ENG & CONSTR CO LTD;

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TITLE : ELECTROLYTIC POLISHING DEVICE



ABSTRACT : PURPOSE: To easily electrolytically polish the internal surface of a rugged and/ or curved pipe, by forming an electrode into a helical wire shape and longitudinally moving the electrode while it is rotated.

CONSTITUTION: An electrode 32 is formed into a helical wire shape, and its point end has a diameter gradually decreasing. While the electrode, being formed in a shape coating a conductive material 46 with a non-conductive material 48, has no non-conductive material 48 outside a helical wire along the part within a prescribed length from the point end, disclosing the conductive material 46. The electrode 32, being housed in a guide pipe 32, is longitudinally moved while being rotated, thus electrolytically polishing the internal surface of a pipe 18 to be polished.

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